Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Wolverine Gasket Division, EaglePicher Automotive, Inc.
Facility Name:	Wolverine Gasket Division, EaglePicher Automotive, Inc. Blacksburg Plant
Facility Location:	201 Industrial Park Road S.E. Blacksburg, VA, 24060
Registration Number:	20763
County-Plant Number:	51-121-0065
Permit Number:	VA-20763

Renewal Effective Date: January 6, 2005
Modified Permit Date: January 17, 2006
Expiration Date: January 5, 2010

_____
David K. Paylor
Director, Department of Environmental Quality

Original Permit Signature Date: January 6, 2005
Modified Permit Signature Date: January 17, 2006

*This is the first modification of this Title V permit after the Title V renewal issuance date of January 6, 2005. The original Title V permit was effective November 22, 1999.

Permit: 29 pages

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I. Facility Information

Permittee
Wolverine Gasket Division
EaglePicher Automotive, Inc.
201 Industrial Park Road S.E.
Blacksburg, VA 24060

Responsible Official
Mr. Richard Newark
Director-US Operations
540-552-7674

Facility
Blacksburg Plant
Wolverine Gasket Division
EaglePicher Automotive, Inc.
201 Industrial Park Road S.E.
Blacksburg, VA 24060

Contact Person
Mr. Scott Meadows
Coordinator - HSE
540-557-6262

Registration Number: 20763
County-Plant Number: 51-121-0065

Facility Description: SIC Code 3053 – This plant manufactures gasket material, primarily for the automotive industry, by coating aluminum or steel metal coils with organic coatings. The organic coatings are similar to solvent-based paints. The coatings are applied to the metal coils as a liquid without spraying, and immediately dried and cured in a heated curing oven. The application stations and heated curing ovens of coating line 2 and 4 are totally enclosed with VOC emissions exhausting to one (1) regenerative thermal oxidizer (RTO) to destroy VOC emissions. Both coating line 2 and coating line 4 are required to have a 98% control efficiency in order to meet the existing source requirements of MACT SSSS. VOCs, including VOC HAPS, are the primary pollutants emitted from this facility with a vast majority coming from the coating operation.

Sideline operations that are not insignificant consist of a coating mixing/coating preparation area (M1) having only a small amount of VOC emissions. Insignificant sideline operations include one small Waldron line used to apply water based coatings and its very small gas fired dryer, two Diablo in-line process heaters, gasket stamping operations without emissions, small solvent storage tanks, and other miscellaneous insignificant natural gas burning units.

The initial plant consisted of only coating line #2 with its thermal incinerator. The initial plant was designed in 1972 and constructed in 1973, before the state issued air emission permits, but after the new source regulations applied. The plant was a registered source from the beginning. The larger coating line #4 commenced construction on March 30, 1989 in accordance with the state permit to construct and operate issued January 24, 1989 and revised April 21, 1989. Most recently the plant replaced the aging thermal incinerators with a single RTO to control emissions from both lines.

40 CFR 60 Subpart TT (NSPS TT), Metal Coil Coating, applies to coating line #4 but does not apply to coating line #2, because this NSPS applies only to coating lines constructed or modified after January 5, 1981. 40 CFR 63 Subpart SSSS (NESHAP SSSS) (MACT SSSS), Surface Coating of Metal Coils, applies to both coating line #2 and #4, as existing sources. The NESHAP requirements, which are equally or more stringent than all NSPS requirements, will regulate the coil coating application stations/flash-off areas, drying/curing ovens, and the RTO controlling emissions. That is, for this permit's administrative efficiency, NSPS TT requirements will be streamlined out/ subsumed by the NESHAP SSSS requirements on its effective date of June 10, 2005. However, NESHAP SSSS does not apply to the coating mixing/preparation equipment (M1), storage tanks, or other miscellaneous fuel burning activities.

The compliance date of NESHAP 40 CFR 63 Subpart SSSS, Surface Coating of Metal Coils, for existing facilities including coating lines #2 and #4 was June 10, 2005. The monitoring and recordkeeping portions of NESHAP 40 CFR 63 Subpart SSSS satisfy CAM.

PSD did not apply to the 1989 permit for adding 104.1 tons/yr VOC emission from adding coating line #4 with 95% efficient incineration because the same permit added VOC emissions limits and control efficiency limitations to coating line #2 for 101.1 tons/yr VOC emissions and 90% efficient incineration, in keeping with its actual practice. Therefore, the existing source was formally limited to less than the 250 tons/yr major source threshold with regards to PSD. The plant is currently still a minor PSD source (i.e., emissions are less than 250 tons/yr for each individual criteria pollutant), but the plant is a Title V major source due to potential controlled emissions exceeding 100 tons/yr of VOC, 10 tons/yr of a single HAP, and 25 tons/yr combined HAPs. The HAPs are non-halogenated VOC solvents such as toluene and methyl ethyl ketone in the organic solvent-based organic coating, and all the VOC solvents are assumed to evaporate.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description
CL2	RTO1	Coating Line #2	324 lbs/hr VOC	regenerative thermal oxidizer
CL4	RTO1	Coating Line #4 – composed of CL4-1 and CL4-2	1,080 lbs/hr VOC	regenerative thermal oxidizer
CL4-1	RTO1	Coating Line #4-1 for rubber and primer	Part of 1,080 lbs/hr VOC	regenerative thermal oxidizer
CL4-2	RTO1	Coating Line #4-2 for adhesive and water based graphite	Part of 1,080 lbs/hr VOC	regenerative thermal oxidizer
M1	V01	Coating Line Mixing Room (mixing/coating preparation equipment)	NA	NA

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

Pollutant control devices of the equipment to be operated:

Emission Unit ID	Stack ID	Emission Unit Description	PCD ID	Pollutant Controlled	Applicable Permit Date
CL2	RTO1	Coating Line #2	RTO	VOC and VOC HAPs	October 6, 2005
CL4	RTO1	Coating Line #4 – composed of CL4-1 and CL4-2	RTO	VOC and VOC HAPs	October 6, 2005
CL4-1	RTO1	Coating Line #4-1 for rubber and primer	RTO	VOC and VOC HAPs	October 6, 2005
CL4-2	RTO1	Coating Line #4-2 for adhesive and water based graphite	RTO	VOC and VOC HAPs	October 6, 2005

III. Process Equipment Requirements –Coil Coating Lines #2 and #4

A. Limitations

1. **Emission Controls** – Volatile organic compound emissions from the Coating Line # 2 and Coating Line # 4 shall be controlled by permanent total enclosure of each line. (9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-60-100, and Condition 3 of the 10/6/05 permit)

2. **Emission Controls** – Volatile organic compound emissions from the Coating Line # 2 and Coating Line # 4 shall be controlled by a regenerative thermal oxidizer (RTO). The RTO shall operate at a minimum temperature of 1589 ^{o}F and shall be provided with adequate access for inspection and shall be in operation when either coating line is operating.

   (9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-60-100, and Condition 4 of the 10/6/05 permit)

3. **Control Efficiency -** The regenerative thermal oxidizer shall demonstrate a control efficiency for volatile organic compounds of no less than ninety-eight percent (98%). (9 VAC 5-80-110, 9 VAC 5-50-260, 9 VAC 5-60-100, and Condition 5 of the 10/6/05 permit)

4. **Throughput -** The throughput of volatile organic compounds for Coating Line # 2 and the associated coating preparation equipment shall not exceed 116 tons per month or 1,011 tons per year, calculated monthly as the sum of each consecutive 12 month period.

   (9 VAC 5-80-110, 9 VAC 5-80-1180, and Condition 7 of the 10/6/05 permit)

5. **Throughput -** The throughput of volatile organic compounds for Coating Line # 4 and the associated coating preparation equipment shall not exceed 390 tons per month or 2,082 tons per year, calculated monthly as the sum of each consecutive 12 month period.

   (9 VAC 5-80-110, 9 VAC 5-80-1180, and Condition 8 of the 10/6/05 permit)

6. **Emission Limits -** Emissions from the operation of Coating Line # 2 shall not exceed the limits specified below:

   Volatile Organic Compounds 6.48 lbs/hr 20.2 tons/yr

   (9 VAC 5-80-110, 9 VAC 5-50-260, and Condition 9 of the 10/6/05 permit)

7. **Emission Limits -** Emissions from the operation of Coating Line # 4 shall not exceed the limits specified below:

   Volatile Organic Compounds 21.6 lbs/hr 41.6 tons/yr

   (9 VAC 5-80-110, 9 VAC 5-50-260, and Condition 10 of the 10/6/05 permit)

8. **Visible Emission Limit -** Visible emissions from either coating line or from the regenerative thermal oxidizer shall not exceed five percent (5%) opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).

   (9 VAC 5-80-110, 9 VAC 5-50-260, and Condition 11 of the 10/6/05 permit)

9. **Requirements by Reference -** Except where this permit is more restrictive than the applicable requirement, Coating Line # 4 shall be operated in compliance with the requirements of 40 CFR 60.460 et seq. (Subpart TT).

   (9 VAC 5-80-110, 9 VAC 5-50-400, 9 VAC 5-50-410, and Condition 12 of the 10/6/05 permit)

10. **Requirements by Reference -** Except where this permit is more restrictive than the applicable requirement, Coating Lines # 2 and # 4 shall be operated in compliance with the requirements of 40 CFR 63.5080 et seq. (Subpart SSSS).

    (9 VAC 5-80-110, 9 VAC 5-60-90, 9 VAC 5-60-100, and Condition 13 of the 10/6/05 permit)

11. **Requirements by Reference –** In such areas where requirements of 40 CFR 60.460 et seq. (NSPS Subpart TT) and 40 CFR 63.5080 et seq. (MACT Subpart SSSS) may create a conflict, MACT Subpart SSSS is deemed to be the prevailing regulation.

    (9 VAC 5-80-110 and Condition 14 of the 10/6/05 permit)

12. **Facility or Control Equipment Malfunction - Hazardous Air Pollutant Processes** - Any of the facilities listed below shall shut down immediately if they are unable to meet the applicable emission standards, and shall not return to operation until they are able to operate in compliance with the applicable emission standards.

    a. Coating Line # 2

    b. Coating Line # 4

    (9 VAC 5-80-110, 9 VAC 5-20-180, and Condition 15 of the 10/6/05 permit)

B. Monitoring

1. **Monitoring (MACT SSSS and CAM)** – The regenerative thermal oxidizer used to control emissions from Coating Line # 2 and Coating Line # 4 shall be equipped with one or more temperature indicators to continuously measure and record the chamber operating temperature. The indicators shall meet the accuracy requirements specified in MACT SSSS.

   (9 VAC 5-80-110, 9 VAC 5-60-100, 9 VAC 5-50-260, and Condition 4 of the 10/6/05 permit)

2. **Monitoring (MACT SSSS and CAM)** – The permittee shall conduct monitoring in accordance with the Coating Line # 2 and Coating Line # 4 capture system monitoring plan. The plan shall address the elements below in accordance with 40 CFR 63.5150(a)(4)(i)and (ii):

   a. The plan shall identify the operating parameter(s) to be monitored.

   b. The plan shall explain the appropriateness of the parameter(s) for demonstrating ongoing compliance.

   c. The plan shall specify specific monitoring procedures.

   d. The plan shall establish operating limits at the capture system operating parameter value, or range of values, that demonstrates compliance with the emission limits.

   (9 VAC 5-80-110, 9 VAC 5-60-100, and MACT SSSS)

3. **Monitoring- (MACT SSSS and CAM)** All total enclosures for coating, drying, and curing shall be equipped with pressure measurement devices to continuously measure the pressure difference across the total enclosure during coating operations. Operators should keep access windows and doors closed at all times when coatings are being applied, unless a temporary adjustment is needed for safety or quality reasons and during start-up, shutdown, and malfunction. The permittee shall maintain a pressure difference of at least 0.007 inches of water except when the doors are opened to make a temporary adjustment for safety or quality reasons or during start-up, shutdown, and malfunction.

   (9 VAC 5-80-110, 9 VAC 5-60-100, 9 VAC 5-60-100, and MACT SSSS)

4. **Monitoring- (CAM)** The pressure measurement devices shall be installed, maintained, calibrated, and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. The pressure measurement devices shall be provided with adequate access for inspection and shall be in operation when coating is being applied.

   (9 VAC 5-50-20C, 9 VAC 5-50-260, 9 VAC 5-60-100, and MACT SSSS)

5. **Monitoring- (MACT SSSS and CAM)** The pressure measurement devices used to continuously measure the pressure difference shall be observed by the permittee with a frequency of not less than once per shift to ensure good performance of the total enclosures. The permittee shall keep a log of the observations.

   (9 VAC 5-50-50H, 9 VAC 5-60-100, and MACT SSSS)

6. **Monitoring for Visible Emissions** – Emission points from Coating Line # 2 and Coating Line # 4 shall be observed visually at least once each calendar week in which the emissions unit operates. The visual observations shall be conducted using 40 CFR 60 Appendix A Method 22 techniques (condensed water vapor/steam is not a visible emission) for at least a brief time to only identify the presence of visible emissions. Each emissions unit in the Method 22 technique observation having visible emissions shall be evaluated by conducting a 40 CFR 60 Appendix A Method 9 visible emissions evaluation (VEE) for at least six (6) minutes, *unless corrective action is taken that achieves no visible emissions.* 40 CFR 60 Appendix A Method 9 requires the observer to have a Method 9 certification that is current at the time of the VEE. If any of these six (6) minute VEE averages exceed the unit's opacity limitation, a VEE shall be conducted on these emissions for at least 3 six minute periods (at least 18 minutes). All visible emission observations, VEE results, and corrective actions taken shall be recorded. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular emissions unit, the permittee may reduce the monitoring frequency to once per month for that stack. The permittee shall notify the Air Compliance Manager, West Central Regional Office, when the monitoring frequency is reduced from at least each calendar week to at least each calendar month. Anytime a monthly visible emissions evaluation shows visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.
(9 VAC 5-80-110E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Air Compliance Manager, West Central Regional Office. These records shall include, but are not limited to:

1. Annual throughput of coating material and volatile organic compound throughput from the coating material for each coating line, calculated monthly as the sum of each consecutive 12 month.

2. Monthly and annual VOC emissions in tons from Coating Line # 2 and Coating Line # 4 and the coating preparation equipment (M1). Annual emissions shall be calculated as the sum of each consecutive 12 month period.

3. Continuous temperature records and 3-hour average temperature of the combustion chamber of the regenerative thermal oxidizer. Records shall be kept of each three hour period when the average combustion temperature falls below the temperature at which compliance with the VOC control efficiency requirement was demonstrated during the most recent measurement of RTO efficiency. The records required by MACT SSSS shall identify each such occurrence and its duration.

4. The permittee shall develop and implement a start-up, shutdown, and malfunction plan (SSMP) for Coating Line # 2 and Coating Line # 4. The SSMP shall be developed and implemented in accordance with MACT SSSS 40 CFR 63.5150(a)(4)(i)and (ii).

5. Records specified in 40 CFR 63 Subpart SSSS of all measurements needed to show compliance with MACT SSSS.

6. Records of the once per shift pressure difference readings, calibrations, and the results of any corrective action taken to increase the enclosure pressure difference if it falls below acceptable levels.

7. Results of all stack tests, visible emission evaluations and performance evaluations.

8. Material Safety Data Sheets (MSDS) or other vendor information showing VOC content, HAP content, water content, and solids content for each coating and adhesive used.

9. Require records of scheduled and unscheduled maintenance, and operator training.

10. Records of weekly Method 22 or Method 9 visible emission evaluations, including corrective actions, if any.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-60-100, 9 VAC 5-50-50, 9 VAC 5-80-110, MACT SSSS, and Condition 19 of the 10/6/05 permit)

D. Testing

1. **Testing/Monitoring Ports** - The permitted facility shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate methods. Test ports shall be provided before and after the regenerative thermal oxidizer and as required by the appropriate test methods per MACT SSSS. Test ports shall also be provided when requested at the appropriate locations or in accordance with the applicable performance specification (reference 40 CFR Part 60, Appendix B.
   (9 VAC 5-80-110, 9 VAC 5-50-30, and Condition 6 of the 10/6/05 permit)

2. **Enclosure Tests** – At least once during the term of this permit the permitee shall conduct tests for capture efficiency for Coating Line # 2 and Coating Line # 4 as specified in 40 CFR 63.5160(e). Upon request by the DEQ, the permittee shall conduct additional tests for total enclosure of either or both coating lines to demonstrate compliance with the requirements contained in this permit. The details of the tests shall be arranged with the Air Compliance Manager, West Central Regional Office.
   (9 VAC 5-80-110, 9 VAC 5-60-100, and Condition 16 of the 10/6/05 permit)

3. **Stack Tests** - At least once during the term of this permit the permitee shall conduct tests for VOC destruction efficiency in the regenerative thermal oxidizer for Coating Line # 2 and Coating Line # 4 as specified in 40 CFR 63.5160(d).Upon request by the DEQ, the permittee shall conduct additional performance tests for volatile organic compounds, specific hazardous air pollutants and/or total hazardous air pollutants from Coating Line # 2 and/or Coating Line # 4 to demonstrate compliance with the emission limits and control efficiency requirements contained in this permit. The details of the tests shall be arranged with the Air Compliance Manager, West Central Regional Office.

   (9 VAC 5-80-110, 9 VAC 5-60-100, and Condition 17 of the 10/6/05 permit)

4. **Test Results For Demonstration of Compliance** - In subsequent months after a performance test as specified in 40 CFR 63.5160(d), the owner and operator may use the most recently determined overall reduction efficiency for the performance test results to assist in determining compliance with this permit's VOC control efficiency and emission rate requirements, providing control device and capture system operating conditions have not changed. The performance testing procedure prescribed in MACT SSSS shall be repeated when directed by the Administrator or when the owner or operator elects to operate the control device or capture system at conditions different from the initial performance test.

   (9 VAC 5-50-20, 9 VAC 5-50-30, 9 VAC 5-80-1100, 9 VAC 5-60-100, 9 VAC 5-80-110, MACT SSSS)

5. **Visible Emissions Evaluation** - Upon request by the DEQ, the permittee shall conduct visible emission evaluations from the regenerative thermal oxidizer and/or either coating line to demonstrate compliance with the visible emission limits contained in this permit. The details of the tests shall be arranged with the Air Compliance Manager, West Central Regional Office.

   (9 VAC 5-80-110, 9 VAC 5-50-30, and Condition 18 of the 10/6/05 permit)

6. **Test Methods** - If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method
Visible Emission	40 CFR 60, Appendix A, EPA Method 9

(9 VAC 5-80-110, MACT SSSS)

E. Reporting

1. **Testing Reports** - Performance test results used to demonstrate compliance with this permit shall be submitted to the Air Compliance Manager, West Central Regional Office within 60 days after test completion and shall conform to the test report format enclosed with this permit.

   (9 VAC 5-80-110 and 9 VAC 5-80-1180)

2. **MACT SSSS Notification of Compliance Status** - By August 30, 2006, the permittee shall submit a Notification of Compliance Status (NCS) report for the CL2 and CL4 metal coil coating line as specified in 40 CFR 63.9(h).

   (9 VAC 5-50-50, 9 VAC 5-80-1100, 9 VAC 5-60-100, and MACT SSSS)

3. **MACT SSSS Semi-Annual Reports** - The permittee shall submit semi-annual written reports to the Air Compliance Manager, West Central Regional Office and to the EPA Region III, MACT SSSS Compliance Coordinator. The time periods to be addressed are January 1 to June 30 and July 1 to December 31. All reports shall be postmarked by the 60th day following the reporting period and shall contain the information required by 40 CFR 63.5180, which can include startup, shutdown, and malfunction reporting. The first semi-annual report is due on March 1, 2007, and the report should cover the six month period following the initial 12 month period discussed in the NCS report.

   (9 VAC 5-50-50, 9 VAC 5-80-1100, 9 VAC 5-60-100, and MACT SSSS)

IV. Process Equipment Requirements – (MISC) – Miscellaneous Equipment

A. Limitations

1. **Visible Emissions Limits**- Visible emissions from the M1 mixing room shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). Visible emission evaluations shall be conducted on these exhausts. The details of the tests shall be arranged with the Air Compliance Manager, West Central Regional Office. The condition applies at all times except during startup, shutdown, and malfunction.

   (9 VAC 5-80-110 and 9 VAC 5-50-260)

B. Monitoring

1. **Monitoring for Visible Emissions** – Emission points from the M1 mixing room shall be observed visually at least once each calendar week in which the emissions unit operates. The visual observations shall be conducted using 40 CFR 60 Appendix A Method 22 techniques (condensed water vapor/steam is not a visible emission) for at least a brief time to only identify the presence of visible emissions. Each emissions unit in the Method 22 technique observation having visible emissions shall be evaluated by conducting a 40 CFR 60 Appendix A Method 9 visible emissions evaluation (VEE) for at least six (6) minutes, *unless corrective action is taken that achieves no visible emissions.* 40 CFR 60 Appendix A Method 9 requires the observer to have a Method 9 certification that is current at the time of the VEE. If any of these six (6) minute VEE averages exceed the unit's opacity limitation, a VEE shall be conducted on these emissions for at least 3 six minute periods (at least 18 minutes). All visible emission observations, VEE results, and corrective actions taken shall be recorded. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular emissions unit, the permittee may reduce the monitoring frequency to once per month for that stack. The permittee shall notify the Air Compliance Manager, West Central Regional Office, when the monitoring frequency is reduced from at least each calendar week to at least each calendar month. Anytime a monthly visible emissions evaluation shows visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for that stack.
   (9 VAC 5-80-110E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Air Compliance Manager, West Central Regional Office. These records shall include, but are not limited to:

1. Records of weekly Method 22 or Method 9 visible emission evaluations, including corrective actions, if any.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50 and 9 VAC 5-80-110)

D. Testing

1. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the following test methods in accordance with procedures approved by the DEQ as follows:

Pollutant	Test Method
Visible Emission	40 CFR 60, Appendix A, EPA Method 9

(9 VAC 5-80-110)

E. Reporting – NA

V. Facility Wide Conditions

A. Limitations

1. **Maintenance/Operating Procedures** - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

    a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

    b. Develop an inspection schedule, monthly at a minimum, to insure the operational integrity of the air pollution control equipment and maintain records of inspection results.

    c. Have available written operating procedures for the air pollution control equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

    d. Train operators in the proper operation of all air pollution control equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

    e. Maintain an inventory of spare parts that are needed to maintain the air pollution control equipment in proper working order.

    Records of maintenance, inspections and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request. (9 VAC 5-80-110, 9 VAC 5-80-110 F & K, 9 VAC 5-50-20E, and Condition 23 of the 10/6/05 permit)

2. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.

    (9 VAC 5-20-180, 9 VAC 5-80-110, and Condition 22 of the 10/6/05 permit)

Also see the Recordkeeping and Reporting and Annual Compliance Certification sections under "General Conditions."

VI. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
CL2B	Unit 2 Boiler (gas)	9 VAC 5-80-720C	NOx, VOC, PM, CO	2.1 MMBtu/hr input natural gas/propane
CL2-D	Unit 2 Diablo In-Line Process Heater	9 VAC 5-80-720C	NOx, VOC, PM, CO	8.0 MMBtu/hr input natural gas
CL4-D	Unit 4 Diablo In-Line Process Heater	9 VAC 5-80-720C	NOx, VOC, PM, CO	4.0 MMBtu/hr input natural gas
G1	Oil Water Separator	9 VAC 5-80-720B	VOC	36 gallons
T1	Solvent Tank	9 VAC 5-80-720B	VOC	10,000 gal.
T2	Solvent Tank	9 VAC 5-80-720B	VOC	5000 gal.
T3	Solvent Tank	9 VAC 5-80-720B	VOC	3000 gal.
T4	Solvent Tank	9 VAC 5-80-720B	VOC	5,000 gal.
WA1	Waldron coating line (water based coatings with small gas fired dryer)	9 VAC 5-80-720B	NOx, VOC, PM, CO	NA

These insignificant emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

VII. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
9 VAC 5-40-260	Standard for Particulate Matter Emissions	The Standard for Particulate Matter Emissions is not applicable to the emission units listed below because these emission units are inherently not particulate emitters: M1-Coating Mixing/Coating Preparation Equipment and CL2 and CL4-Coating Lines 2 and 4.
9 VAC 5-40-280	Standard for Sulfur Dioxide Emissions	The Standard for Sulfur Dioxide Emissions is not applicable to the emission units listed below because these emission units are inherently not sulfur dioxide emitters: M1-Coating Mixing/Coating Preparation Equipment and CL2 and CL4-Coating Lines 2 and 4.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

VIII. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C & F, 9 VAC 5-80-110 D & 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings or data acquisition records for continuous monitoring instrumentation, and copies of all reports required by the permit. (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G. The details of the reports are to be arranged with the Air Compliance Manager, West Central Regional Office. The reports shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or,

      (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

d. The report shall be sent to the following address:

VA DEQ
West Central Regional Office
ATTN: Air Compliance Manager
3019 Peters Creek Road
Roanoke, VA 24019

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and to DEQ no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. Such other facts as the permit may require to determine the compliance status of the source.

2. The time period included in the certification. The time period to be addressed is January 1 to December 31.

3. The identification of each term or condition of the permit that is the basis of the certification.

4. The compliance status.

5. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

6. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

This annual compliance certification shall be sent to the following addresses:

VA DEQ
West Central Regional Office
ATTN: Air Compliance Manager
3019 Peters Creek Road
Roanoke, VA 24019

U. S. Environmental Protection Agency, Region III
Clean Air Act Title V Compliance Certification (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029.

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Air Compliance Manager, West Central Regional Office, within four (4) daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition VIII-C-3 of this permit. (9 VAC 5-80-110 F.2 & 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after a malfunction is discovered, notify the Air Compliance Manager, West Central Regional Office, by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Air Compliance Manager, West Central Regional Office. Office.

1. The emission units that have continuous monitors subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not subject to the 14 day written notification.

2. The emission units subject to the reporting and the procedure requirements of 9 VAC 5-40-50 C and the procedures of 9 VAC 5-50-50 C are listed below:

   a. Coating Line 2, CL2: Temperature monitoring for thermal and/or catalytic incineration.

   b. Coating Line 4, CL4: Temperature monitoring for thermal and/or catalytic incineration.

3. Each owner required to install a continuous monitoring system subject to 9 VAC 5-40-41 or 9 VAC 5-50-410 shall submit a written report of excess emissions (as defined in the applicable emission standard) to the board for every semi-annual compliance reporting period. All semi-annual compliance reports shall include the following information:

   a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h) or 9 VAC 5-40-41 B 6, any conversion factors used, and the date and time of commencement and completion of each period of excess emissions;

   b. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the source. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted;

   c. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and

   d. When no excess emissions have occurred or the continuous monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

4. All malfunctions of emission units not subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C require written reports within 14 days of the discovery of the malfunction.

(9 VAC 5-20-180 C, 9 VAC 5-40-50, 9 VAC 5-50-50 & 9 VAC 5-80-250)

G. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20 E & 9 VAC 5-40-20 E)

H. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the conditions of paragraph 2 are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of malfunction, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit.

   d. The permittee notified the board of the malfunction within two working days following the time when the emissions limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, telegraph, or any other method that allows the permittee to comply with the deadline. The notice fulfills the requirement of 9 VAC 5-80-110 F.2. b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirements under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

   (9 VAC 5-80-250)

I. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

J. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

K. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

L. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

M. Permit Modification for Cause

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1790, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

N. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. (9 VAC 5-80-110 G.5)

O. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
   (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
   (9 VAC 5-80-110 K.1)

P. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by **April 15** of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

Q. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

R. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records shall be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that shall be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

S. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit shall be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

T. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

U. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emission Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)